

BABY SCALE 7725

User Manual



Important: Read carefully before use! Keep for future reference!

Thank you for your purchase of this Soehnle Professional product. This product has been equipped with all state of the art features and is optimized for easy operation. If you have questions or experience problems with your baby scale that are not addressed in the user manual, please contact your Soehnle Industrial Solutions service partner or visit us over the Internet at www.soehnle-professional.com.

Supplied scope:

1 x Baby Scale 775

1 x Power Supply

1 x User Manual

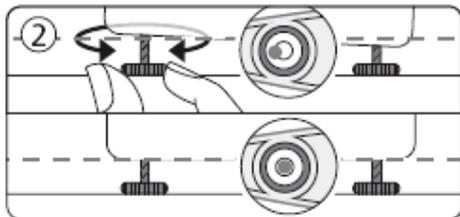
1. SCALE MODEL

7725.01.001 Baby Scale, calibrated

2. STARTUP

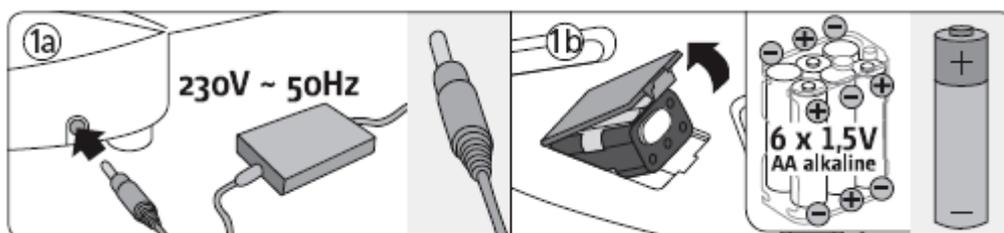
2.1 Scale setup

Position the scale at its operating location and level the bubble level with the adjustable feet.



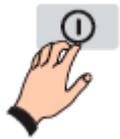
2.2 Power supply

Connect the power supply or place the batteries into the battery compartment on the bottom plate.

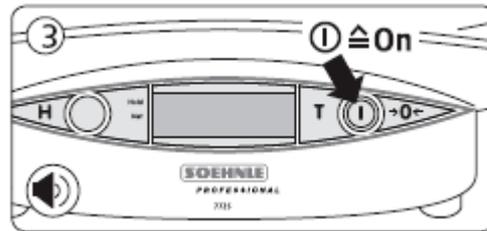


Make sure the power outlet remains easily accessible.

2.3 Switch on



Switch on the scale with the ON/OFF key.

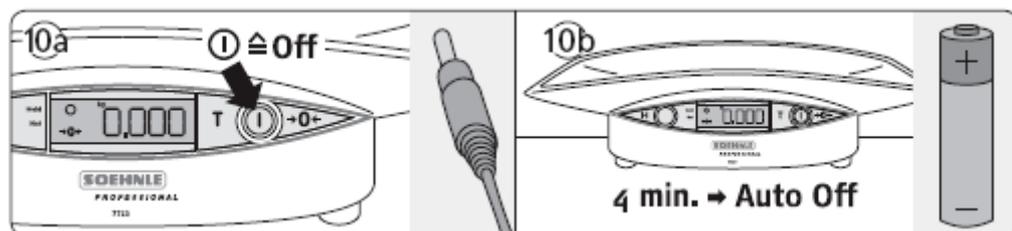


2.4 Switch off / Shutting down safely



The device shuts down by pressing the ON/OFF key. The device is fully disconnected from the grid by pulling the power plug from the power outlet. This ends operations safely.

The scale automatically shuts down after 4 minutes of inactivity.

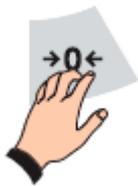


3. FUNCTIONS

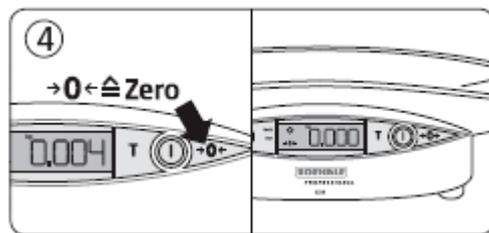
3.1 Switching on / Zeroing

On each switch on operation, the weight reading sent from the load cells is set to zero as long as this reading is less than 50% of the maximum weighing range.

3.2 Manual zeroing

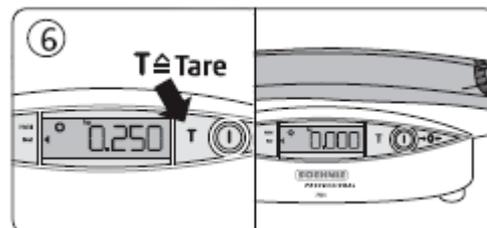
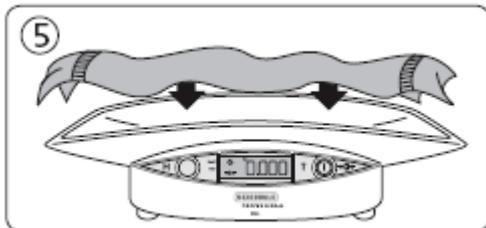


Manual zeroing corrects minor deviations from the zero point, e.g. due to dirt on the scale. The display reads as follows for the zero display: >0,000<. Zero setting range: -2 to +2% of the weighing range.



3.3 Tare

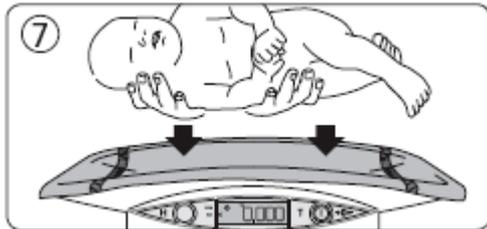
Place a wrap such as a towel on the scale and press the Tare key. The display returns to zero.



The baby can now be centered onto the scale and you can now read the baby's weight without the towel.

3.4 Weighing

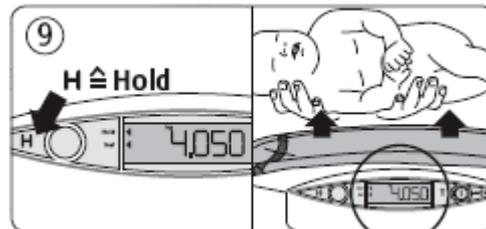
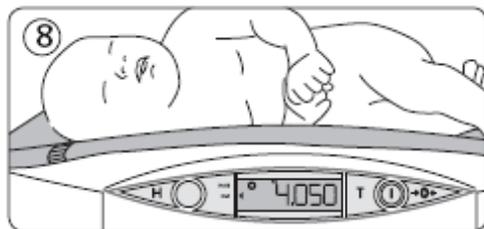
The scale is ready to weigh when "0.000" is shown in the display. Center the baby onto the scale.



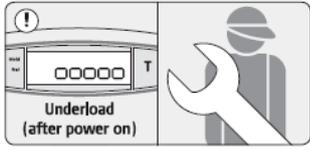
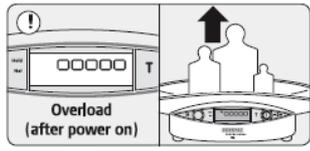
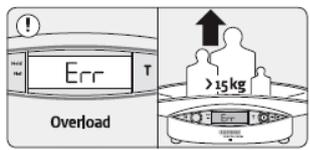
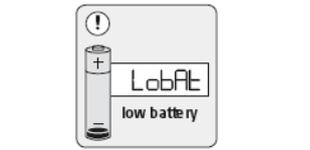
 Never leave the baby on the scale unsupervised and return the baby to a safe environment immediately following the weighing procedure.

3.5 Hold function

The weight reading continues to be shown in the display by pressing the HOLD key. You can now remove the baby from the scale and then record the weight reading.



4. MALFUNCTIONS – CAUSES AND REMEDIES

DISPLAY	CAUSES	REMEDIES
	Underload after switching on	Shut the scale off and back on. The zero point is automatically reset.
	Overload exceeded when switching on the scale.	Remove the weight from the scale and switch the scale back on.
	Maximum weighing range exceeded.	The maximum weighing range is 15 kg. Remove the weight from the scale.
	Low battery.	The batteries need to be replaced. Dispose of discharged batteries as hazardous waste.

Contact your service partner if the malfunction is not remedied or other error messages are displayed.

5. TECHNICAL INFORMATION

5.1 Technical Specifications

Weighing range:	15 kg
Reading increment:	2 g / 5 g (6 kg/15 kg)
Minimum load:	40 g
Weight:	4.6 kg
Certification number:	UK 2842
Ambient operating temperature:	0°C ... +40°C
Storage temperature:	-40°C ... +70°C
Air pressure:	950 ... 1050 hPa
Humidity:	20%–85% relative humidity, non-condensing
Power supply, mains mode:	230V -15% / +10% 50 ... 60 Hz ca. 9 VA, 300 mA
Required power supply:	Plug-in power supply 618.020.056
Power supply, battery mode:	6 x 1.5 V size AA batteries
Transportation conditions:	Only move the device in its original packaging, adhere to storage temperature, avoid shaking and shocks.

The power supply specifications are noted on the plug-in power supply.

The technical documentation to service the unit and needed by the staff designated as service personnel by Soehnle Industrial Solutions can be obtained on request from customer service.

5.2 Description of Signs and Symbols



Max Maximum load of the weighing range

Min Minimum load of the weighing range

e= Calibrated value (reading increment: < 6 kg = 2 g, > 6 kg = 5 g)

SN Serial number of the scale (scale type, last digit of the model year, sequential number)

CE EC Conformity Declaration

M16 EC calibration mark with model year

(III) Accuracy class

0122 Registration No. of the "Official Location" (this location performed the initial calibration)

0° / +40°C Operating temperature

UK 2842 No. of EC Certification

5.3 Explanation of Symbols on the Packaging

 Caution fragile

 Note orientation for transport

 Protect against moisture and wetness

 Adhere to storage temperature

6. General Information

6.1 Intended uses

The Soehnle Professional Baby Scale 7725 is designed to weigh infants and must only be used for this purpose. Any other use is prohibited. This scale is intended for transactions with calibration requirements. It meets the applicable requirements of the EC Directives 2014/30/EU, 2014/35/EU, 2009/23/EC and 2007/47/EC.

Messages concerning errors that can present a danger for the baby or concerning errors that can result in incorrect scale readings should be reported to the manufacturer's medical products advisor (see mailing address for contact). This user manual is an integral component of the device. It must be kept in the vicinity of the device. Detailed compliance with this manual is a condition for the intended use and the correct operation of the baby scale.

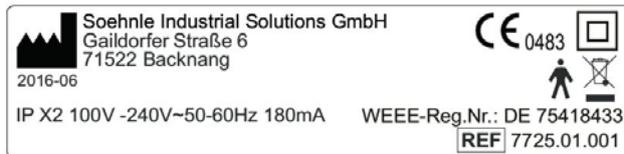
When the device does not operate as intended, this is an indication for damage. In this case, it is essential to return the scale to a service location authorized by Soehnle Industrial Solutions. Only original spare parts must be used for repairs performed by an authorized service location. These original parts are described in the service documentation (spare parts list: 470.007.031) with their order number.

Soehnle Industrial Solutions only warrants the safety of the device when the instructions are observed and the device is operated in compliance with the user manual. The device is a medical device and must only be used by personnel who are able to ensure compliance with generally accepted operating practices based on their training and experience. Prior to using the device, the user must verify the operational safety and operational readiness of the device. The user must be familiar with the operating procedures for the device. The device is not rated for ATEX zones in areas designated for medical use. ATEX zones can be created by using combustible anesthetics, skin cleaning agents, and skin disinfectants.

The scale must only be operated by staff. The scale is not intended for operation by the patient.

Never leave the infant or baby unsupervised!

6.2 CE Marking



Low Voltage Directive: 2014/35/EU

Scale Directive: 2009/23/EC

Medical Directive: 2007/47/EC

Explanation of symbols:

CE 0483 EU Conformity Tag

 Protection class of the product

 Type B application device

 Do not dispose of standard batteries and rechargeable batteries in the household waste

 Part number of the product

 Manufacturer of the product

 Please follow the directions in the user manual

6.3 Classification

Class I Active Medical Device with measurement function

 Class II Electrical Protection (insulation protected, no protective ground conductor)

Water protection law. EN60529: IPX2.

Application device

The medical device is a Type B application device and is intended for direct patient contact. The leakage currents meet the classification for Type B application devices.



6.4 Safety instructions

This device is intended strictly for professional use. Before operating the device, please read the information shown in the user manual with care. These contain important information about the installation, the intended uses, and maintenance of the device. **The manufacturer is not liable if the following instructions are not observed:** When using electrical components under elevated safety requirements, the corresponding regulations must be adhered to.

Never perform service work while the device is under power.

There are no special qualifications for the user. Use in critical environments is not intended (CT, defibrillator). The product is not rated for use in ATEX zones. The baby scale must be positioned

to ensure that it can be easily disconnected from the electrical mains (ensure accessibility of the power outlet). Do not allow the scale to get wet.

This device is radio interference suppressed iaw. the applicable EC Directive 2004/108/EC. However, the reading can be influenced under extreme electrostatic and electromagnetic interference, e.g. when operating a radio transmitter or mobile telephone in the immediate vicinity of the device. Following the end of the interference, the product can again be used as intended; it may have to be switched back on. Contact your designated service partner if the electrostatic interference is permanent in nature.

The device is a measurement instrument. Airflow, vibrations, rapid temperature changes and sun exposure can influence the weighing result.

The scale meets IPX2 protection class requirements. High relative humidity, vapors, aggressive fluids, and significant dirt buildup must be avoided.

The product warranty is null and void if the scale is installed inappropriately. The electrical power supply must comply with the values printed on the power supply. The device is designed for use in buildings. Note the rated ambient operating temperatures (see Technical Specifications). The device meets electromagnetic compatibility requirements. Avoid exceeding the limit values specified in the standards. If used as intended, this product presents no risk of interference for other devices. The service life of this product is limited to 5 years. Contact your service partner if you experience problems.

Warning: This device must not be modified without the manufacturer's consent. If the medical device is modified, appropriate tests and inspections must be performed to verify the continued safe operation.

6.5 Cleaning

Prior to each cleaning, the device must be disconnected from power by pulling the power plug. The device must not be cleaned with a wet cloth. Water must never be allowed to enter the device. Disinfectant can be used on the membrane keypad and the plastic components.

The following disinfectants are approved:

methylated spirit; isopropanol; 2% Kohrsolin; 1% aqueous Sokrena solution; 5% Sagrotan; 5% Gigasept. Spraying onto the device and the connector is not permitted.

6.6 Maintenance and service

A metrology inspection was performed during production based on the initial calibration. Additional recurring metrology inspections (calibrations) must be performed by the competent calibration authorities in accordance with the relevant national regulations. Repairs are only authorized by locations authorized by Soehnle Industrial Solutions by using original spare parts. The medical device is equipped with a non-removable power cable. The service staff is not authorized to replace the power cable.

The device must undergo a recurring preventive inspection (6 month intervals). This is accomplished by placing a known weight on the scale and comparing the test weight with the reading in the display. Service and/or calibration is required if variances are identified.

When the device does not operate as intended, this is an indication for damage. In this case, it is essential to return the scale to a service location authorized by Soehnle Industrial Solutions. Only original spare parts must be used for repairs performed by an authorized service location. These original parts are described in the service documentation with order numbers.

6.7 Product Warranty / Liability

When a defect in the delivered item is attributable to the manufacturer, the manufacturer is entitled at its discretion to either remedy the defect or to supply a replacement. Replaced parts become the manufacturer's property. The statutory regulations apply if the defect remedy or replacement delivery fail.

The warranty period is **2 years** and begins on the date of purchase. **Please keep the invoice as proof.** For service contact your dealer or the manufacturer's customer service department.

No liability is assumed in particular for losses resulting for the following reasons: Unsuitable, inappropriate storage or use, defective assembly and/or startup by the buyer or third parties, normal wear and tear, modifications or manipulations, deficient or careless treatment, in particular excessive loads, chemical, electrochemical, electrical influences, or moisture, provided these are not attributable to the manufacturer.

The product warranty for the unrestricted overall function of the equipment is null and void if operational, climatic, or other influences result in a significant change of circumstances or the condition of the material. When Soehnle Industrial Solutions honors the product warranty on a case-by-case basis, this implies the absence of defects on the delivered item during the product warranty period.

Wear parts (e.g. rechargeable batteries) are subject to a 6 month product warranty.

Please keep the original packaging for any required return shipments!

6.8 Disposal of Standard Batteries and Rechargeable Batteries



Standard batteries and rechargeable batteries that contain hazardous materials **are marked with the symbol of a crossed-out waste bin and must not be disposed of in the household waste**. As a consumer, you are required by law to return used standard batteries and rechargeable batteries. You can return your old standard batteries and rechargeable batteries at public collection points in your municipality or anywhere where batteries of the relevant type are sold. You can find these markings on batteries that contain hazardous materials: Pb = battery contains lead, Cd = battery contains cadmium, Hg = battery contains mercury.

6.9 Scale Disposal

Based on the current standard of knowledge, the device contains no special environmentally hazardous materials. This product must not be treated as standard waste but must instead be returned to a collection point designated for recycling electrical and electronic devices. You can obtain more information from your municipality, the municipal recycling operations, or from the dealer where you bought the product.

7. WARNINGS

- > Contact your dealer or the manufacturer in the event of a malfunction. Unauthorized modifications or repairs can damage your scale and can cause the manufacturer's warranty to be null and void.
- > The display and keypad must not get wet. Liquids (e.g. water) can damage the displays. Use a dry cloth, e.g. a towel to dry off the display.
- > Disconnect the device from electrical power prior to installation, cleaning, or service. The device can otherwise sustain damage.
- > If the scale is not used for an extended period, disconnect the scale from power or switch off the display for rechargeable battery mode.
- > Avoid stacking materials on the scale or loading the display with weights. This can result in damage.
- > Position the scale on a firm, stable, and level surface to ensure accurate measurements. Measurement results will deviate on carpeting or inclines.
- > Do not connect the scale to an unstable power supply.
- > Only use the original equipment. Using products made by other manufacturers can damage the display.

8. NOTICES CONCERNING ELECTROMAGNETIC COMPATIBILITY

Guidelines and Manufacturer Declarations / Electromagnetic Emissions		
The type 7725 baby scale is designated for operations in the electromagnetic environments indicated below. The customer or user of the type 7725 scale should ensure that the scale is used in such an environment.		
Emissions Measurements	Compliance	Electromagnetic Environment Guideline
HF emissions iaw. CISPR 11	Group	The scale uses HF energy exclusively for its internal function. HF emissions are therefore very low and it is unlikely that this will result in interference for nearby devices.
HF emissions iaw. CISPR 11	Class B	The scale is intended for use in all facilities including residential areas and those directly connected to a public utility grid that also also supplies buildings used for residential purposes.
Harmonics iaw. IEC 61000-3 -2	Class A	
Voltage fluctuations/ flickering iaw. IEC 61000-3-3	fulfilled	

Guidelines and Manufacturer Declarations / Resistance to Electromagnetic Interference			
The type 7725 baby scale is designated for operations in the electromagnetic environments indicated below. The customer or user of the type 7725 scale should ensure that the scale is used in such an environment.			
Interference resistance testing	IEC 60601 Test level	Compliance level	Electromagnetic Environment Guidelines
Electro-static Discharges (ESD) iaw. IEC 61000-4-2	± 6 kV contact discharge (indirect) ± 8 kV air discharge	± 6 kV contact discharge ± 8 kV air discharge	Floors should consist of wood or concrete or be covered with ceramics. When the floor is covered with synthetic materials, the relative humidity should be no less than 30 %.
Fast transient electrical interference/bursts iaw. IEC 61000-4-4	± 2 kV for mains cables ± 1 kV for input and output cables => not applicable	± 2 kV for mains cables ± 1 kV for input and output cables => not applicable	The quality of the power supply should correspond to a typical commercial or hospital environment.
Surges iaw. IEC 61000-4-5	± 1 kV Normal mode interference voltage (symmetric)	± 1 kV Normal mode interference voltage (symmetric)	The quality of the power supply should correspond to a typical commercial or hospital environment.
Voltage drops, momentary interruptions and fluctuations of the power supply iaw. IEC 61000-4-11	$< 5\% U_T$ for $\frac{1}{2}$ period ($> 95\%$ collapse) $40\% U_T$ for 5 periods (60 % collapse) $70\% U_T$ for 25 periods (30 % collapse) $< 5\% U_T$ for 5 s ($> 95\%$ collapse)	$< 5\% U_T$ for $\frac{1}{2}$ period ($> 95\%$ collapse) $40\% U_T$ for 5 periods (60 % collapse) $70\% U_T$ for 25 periods (30 % collapse) $< 5\% U_T$ for 5 s ($> 95\%$ collapse)	The quality of the power supply should correspond to a typical commercial or hospital environment. If the user of the baby scale demands continued function even when the energy supply is interrupted, we recommend powering the scale with an uninterruptible power supply or a battery.
Magnetic field at the supply frequency (50/60 Hz) iaw. IEC 61000-4-8	3 A/m	3 A/m	Magnetic fields at mains frequency should correspond to the typical values as found in commercial and hospital environments.
NOTE: U_T is the mains alternating voltage before the test level is applied			

Guidelines and Manufacturer Declarations / Resistance to Electromagnetic Interference

The type 7725 baby scale is designated for operations in the electromagnetic environments indicated below. The customer or user of the type 7725 scale should ensure that the scale is used in such an environment.

Interference resistance tests	IEC 60601 Test level	Compliance level	Electromagnetic Environment Guidelines
<p>Conducted HF interference iaw. IEC 61000-4-6</p> <p>Radiated HF interference iaw. IEC 61000-4-3</p>	<p>3 V_{eff} 150 kHz to 80 MHz</p> <p>3 V/m 80 MHz to 2.5 GHz</p>	<p>3 V_{eff}</p> <p>10V/m</p>	<p>Portable and mobile radios should not be used at a distance to baby scales including the cable smaller than the recommended protective distance calculated based on the equation applicable for the transmitted frequency.</p> <p>Recommended protective distance:</p> <p>$d = [3.5/3]\sqrt{P} = 1.2\sqrt{P}$</p> <p>$d = [3.5/10]\sqrt{P} = 0.35\sqrt{P}$ for 80 MHz to 800 MHz</p> <p>$d = [7.0/10]\sqrt{P} = 0.7\sqrt{P}$ for 800 MHz to 2.5 GHz</p> <p>with P as the nominal output of the transmitter in watts (W) as per the manufacturer's specifications and d as the recommended protective distance in meters (m).</p> <p>The field strength of stationary radio transmitters should for all frequencies pursuant to an on-site test be lower than the compliance level. Interference is possible in the vicinity of devices displaying the following pictogram.</p> 

NOTE 1:
NOTE 2:

The higher frequency range applies for 80 MHz and 800 MHz
These guidelines may not apply in all cases. The propagation of electromagnetic phenomena is influenced by the absorption and reflection of buildings, objects and persons.

- a) The field strength of stationary transmitters such as base stations and mobile phones and mobile land transmitters, amateur radios, AM and FM broadcast and television transmitters cannot be theoretically predicted accurately. A study of the location should be considered in order to determine the electromagnetic environment of stationary transmitters. If the measured field strength at the location where the device is used exceeds the above compliance level, the device should be monitored in order to demonstrate the intended function. If unusual performance characteristics are observed, additional steps may be required such as a change or another location for the device.
- b) The field strength should be less than [V1]V/m above the frequency range of 150 kHz to 80 MHz.

Recommended protective distances between portable and mobile devices HF telecommunication devices and bed scales

Baby scales of type 7725 are designated for operations in the electromagnetic environments indicated below. The customer or user of **type 7725 scales** can help to avoid electro-magnetic interference by complying with the minimum distance between portable and mobile HF telecommunications devices (transmitters) and the scales - depending on the output cable of the communications device, as indicated below.

Nominal output of the transmitter W	Protective distance as a function of transmission frequency m		
	150 kHz to 80 MHz $d = 1.2 \sqrt{P}$	80 MHz to 800 MHz $d = 0.35 \sqrt{P}$	800 MHz to 2.5 GHz $d = 0.7 \sqrt{P}$
0.01	0.12	0.04	0.07
0.1	0.38	0.11	0.22
1	1.20	0.35	0.70
10	3.79	1.11	2.21
100	12.00	3.50	7.00

For transmitters whose nominal output is not indicated in the above table, the distance can be determined by employing the equation associated with the relevant column, wherein P is the nominal output of the transmitter in watts (W) as per the transmitter manufacturer specifications.

NOTE 1:

In order to calculate the recommended protective distance for transmitters in the frequency range from 80MHz to 2.5 GHz, an additional factor of 10/3 was used to reduce the probability that a mobile/portable communications device brought into the patient's vicinity causes interference.

NOTE 2:

These guidelines may not apply in all cases. The propagation of electromagnetic phenomena is influenced by the absorption and reflection of buildings, objects and persons.